



Join the NASA Team at the Jet Propulsion Laboratory in Pasadena, California

JPL's Navigation and Ancillary Information Facility (**NAIF**) is responsible for development, deployment and operation of the "**SPICE**" information system used by NASA and many foreign robotic space science missions. SPICE provides scientists and engineers with the vast array of space geometry parameters—positions, orientations, target body size and shape, instrument field of view projections, lighting angles, etc.—needed for planning and analyzing scientific data, and for conducting spacecraft engineering activities. More about NAIF and the SPICE system may be seen at <http://naif.jpl.nasa.gov>.

The NAIF team seeks to hire a new or recent graduate interested in a career with NASA/JPL working with the NAIF team. The successful candidate will receive on the job training to enhance his or her existing skills. This is a full time position.

Skills

Required Skills: MA/MS in Applied Math or engineering field suited to space exploration with 0-3 years of experience or BA/BS in similar disciplines with 0-5 years experience. Practical applied math or engineering skills appropriate to NASA's SPICE activity. Demonstrated programming skills in one or more of Fortran, C, Interactive Data Language or MATLAB. Must have excellent written and oral communication skills. Must be committed to learning and applying NAIF programming standards, including ability to program in all of Fortran, C, IDL and MATLAB, to produce high quality software documentation, and to incorporate extensive software testing in work products. Candidate must be a U.S. citizen or permanent resident.

Desired Skills: Familiar with many or all of Linux, Unix, Windows and OSX programming environments. Working knowledge of some or all of Perl, Java, Python. Show the potential to be a team player; highly self motivated, able to work with limited supervision, focused on task completion on schedule, can easily work with scientists and engineers at research institutions across the U.S and in foreign countries, handle multiple tasks at one time, work under pressure, wants to learn and employ new skills.

Will participate on a small team in the design, implementation and operation of a software-intensive information system (SPICE). The successful candidate will provide new, innovative methods and tools needed to produce, organize, control, test, deliver, document and explain products of NASA's SPICE ancillary information system. The successful candidate will eventually become the prime interface for SPICE to one or more NASA flight projects, working with a project scientist, ground data system manager, and instrument and engineering team leaders and staff to successfully adapt and deploy SPICE. The successful candidate would also participate in the preparation, peer review and formal archive deliveries of SPICE data generated by the NAIF Team.

Apply: <https://careerlaunch.jpl.nasa.gov/> Select "Student Programs", "Early Career Hire (ECH)", "Info Systems and Comp Science", "7373 ASSOC IS&CS Software Engineer"